

Converting Colors

XYZ(20.4469, 35.8215, 19.9999)

Have a look what the booklet for
XYZ(20.4469, 35.8215, 19.9999)
contains.

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Color

**XYZ(20.3540, 35.6249,
19.9909)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 1DB86C |
| RGB | 29, 184, 108 |
| RGB Percent | 11%, 72%, 42% |
| CMY | 0.8862, 0.2784, 0.5765 |
| CMYK | 0.84, 0.00, 0.41, 0.28 |
| HSL | 151°, 73%, 42% |
| HSV | 151°, 84%, 72% |
| XYZ | 20.3540, 35.6249, 19.9909 |
| YIQ | 128.9910, -67.9840, -56.4960 |

Conversions

Conversions Part 2

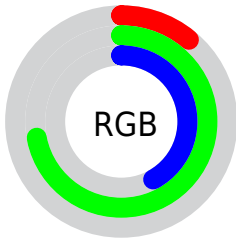
| Format | Color |
|-------------------------------------|--|
| RYB | 29, 132, 184 |
| Decimal | 1947756 |
| CIELab | 66.23, -55.31, 28.11 |
| CIELCh | 66, 62.042, 153.061 |
| Yxy | 35.6249, 0.2679, 0.4689 |
| Android (android.graphics.Color) | 4280137836 (0xFF1DB86C) |
| YUV | 128.9910, -10.3486, -87.6921 |
| Hunter-Lab | 59.6866, -43.5804, 21.9226 |

Details

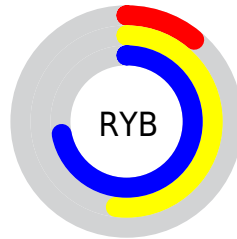
The XYZ color **20.3540, 35.6249, 19.9909** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **22.7576, 12.0899, 14.5008**, and the grayscale version is **20.9165, 22.0057, 23.9643**.

A 20% lighter version of the original color is **43.3940, 68.3322, 44.1600**, and **8.6397, 16.0163, 6.7738** is the 20% darker color. If you saturate the color by 10%, you get **19.5252, 35.2512, 17.5744**, and if you desaturate by 10%, it is **21.5446, 36.1813, 22.6854**.

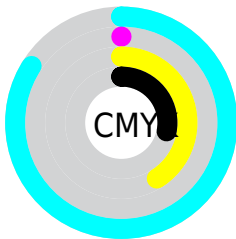
Distribution



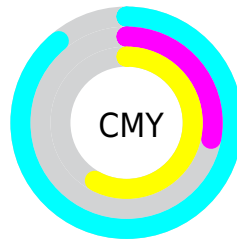
- Red (11%)
- Green (72%)
- Blue (42%)



- Red (11%)
- Yellow (52%)
- Blue (72%)



- Cyan (84%)
- Magenta (0%)
- Yellow (41%)
- Black (28%)





- Cyan (89%)
- Magenta (28%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.3540, 35.6249, 19.9909 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 20.3540, 35.6249, 19.9909 by changing the saturation by 10% instead.


 20.3540, 35.6249,
19.9909


 20.3540, 35.6249,
19.9909


246.6223,
327.3181, 264.4685


 12.7624, 24.1446,
12.2044


 43.5093, 68.4527,
44.2607


 7.3410, 15.4409,
6.7588


 59.8038, 90.5691,
61.5811


 3.7245, 9.1294,
3.2356


 79.7298, 116.9996,
82.9165

 1.5475, 4.8257,
1.2161

 103.6529,
148.1286, 108.6856

 0.3578, 2.1454,
0.0000

 131.9383,
184.3406, 139.3067

 0.0000, 0.6900,
0.0000

164.9515,

 0.0000, 0.0000,

226.0199, 175.1986

0.0000

203.0577,
273.5509, 216.7796

■ 20.3540, 35.6249,
19.9909

■ 20.3540, 35.6249,
19.9909

■ 19.5252, 35.2512,
17.5744

■ 21.5446, 36.1813,
22.6854

■ 19.1516, 35.0865,
16.3007

■ 23.1439, 36.9414,
25.6652

■ 25.1940, 37.9279,
28.9403

■ 27.7309, 39.1591,
32.5193

■ 30.7867, 40.6515,
36.4104

■ 34.3907, 42.4200,
40.6214

■ 38.5700, 44.4784,
45.1599

■ 43.3497, 46.8395,
50.0332

■ 48.7535, 49.5154,
55.2481

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



25.0572, 35.6249, 9.8503



20.3540, 35.6249, 19.9909



19.0277, 35.6249, 41.5728

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



20.3540, 35.6249, 19.9909



34.8188, 35.6249, 115.0956



51.0551, 35.6249, 17.1136

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



20.3540, 35.6249, 19.9909



22.7576, 12.0899, 14.5008

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



54.8999, 35.6249, 36.1332



20.3540, 35.6249, 19.9909



44.5160, 35.6249, 99.0322

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



20.3540, 35.6249, 19.9909



26.4270, 35.6249, 104.1991



52.3138, 35.6249, 66.7352



42.5714, 35.6249, 8.7996

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



20.3540, 35.6249, 19.9909



19.9940, 35.6249, 62.3509



52.3138, 35.6249, 66.7352



52.9963, 35.6249, 22.0663

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



20.3549, 35.6263, 19.9917



61.5142, 76.4889, 72.7013



23.3670, 37.4662, 7.1630



12.7544, 16.2405, 15.0901



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



20.3549, 35.6263, 19.9917



34.5950, 63.5529, 28.9098



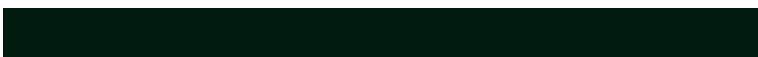
26.3001, 38.0044, 51.2985



9.0762, 10.1345, 10.5587



13.2345, 24.1947, 11.4227



0.4977, 0.8654, 0.5669

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



22.7576, 12.0899, 14.5008



39.0758, 19.7698, 18.7513



20.4293, 11.1585, 2.2399



9.1832, 9.0837, 10.3121



14.9374, 7.5487, 7.5570



0.5579, 0.2786, 0.4311

Previews

White Background



This preview shows how the XYZ color 20.3540, 35.6249, 19.9909 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 20.3540, 35.6249, 19.9909 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.3540, 35.6249, 19.9909

Background



This preview shows how black text looks on a background with the XYZ color 20.3540, 35.6249, 19.9909.



This preview shows how white text looks on a background with the XYZ color 20.3540, 35.6249,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

20.3540, 35.6249, 19.9909

Protanopia

32.2310, 35.0221, 16.6165

Deuteranopia

35.4720, 34.8391, 21.0747



Tritanopia

27.1878, 35.7118, 53.6042

Trichromacy



Original Color

20.3540, 35.6249, 19.9909



Protanomaly

24.4714, 33.4002, 17.7275



Deuteranomaly

25.5602, 32.5461, 20.2641



Tritanomaly

23.8964, 35.2196, 38.7963

Monochromacy



Original Color

20.3540, 35.6249, 19.9909



Achromatopsia

20.8660, 21.9526, 23.9064



Achromatomaly

18.7128, 25.2025, 21.9675

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3540, 35.6249, 19.9909 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(29, 184, 108)` looks like.

```
.text, #text, p{  
  color:rgb(29, 184, 108)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(29, 184, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 184, 108) }
```

Border

The CSS property to change the border of an element to XYZ 20.3540, 35.6249, 19.9909 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(29, 184, 108) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(29, 184, 108) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(29, 184, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 184, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 184, 108);  
box-shadow:4px 4px 4px 4px rgb(29, 184,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3540, 35.6249, 19.9909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 184, 108) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(29, 184,  
108) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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